

I-RaCM: A Fully Integrated Risk and Lifecycle Cost Model, Phase I

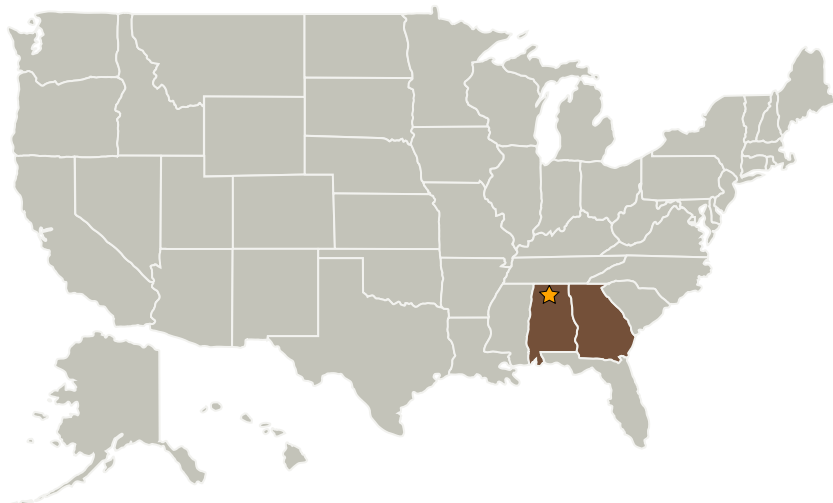
Completed Technology Project (2007 - 2007)



Project Introduction

SpaceWorks Engineering, Inc. (SEI) proposes development of the Integrated Risk and Cost Model I-RaCM, as the innovation to meet the need for integrated cost and risk assessment early in the design of a new system. I-RaCM will integrate a diverse set of new and industry-standard tools used for life cycle cost, operations, reliability modeling, and estimation of technology development costs. The I-RaCM platform will provide seamless integration between tools, perform all data exchange, and interface with the performance disciplines.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Marshall Space Flight Center (MSFC)	Lead Organization	NASA Center	Huntsville, Alabama
SpaceWorks Enterprises, Inc. (SEI)	Supporting Organization	Industry	Atlanta, Georgia

Primary U.S. Work Locations

Alabama	Georgia
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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Marshall Space Flight Center (MSFC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX09 Entry, Descent, and Landing
 - └ TX09.4 Vehicle Systems
 - └ TX09.4.1 Architecture Design and Analysis